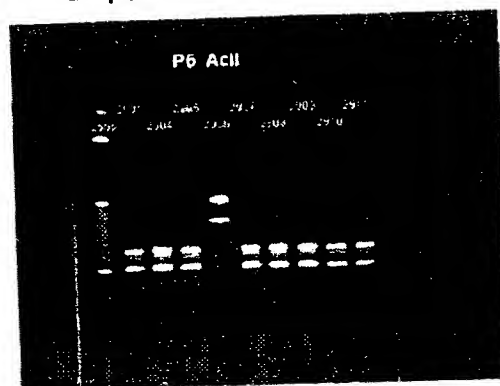


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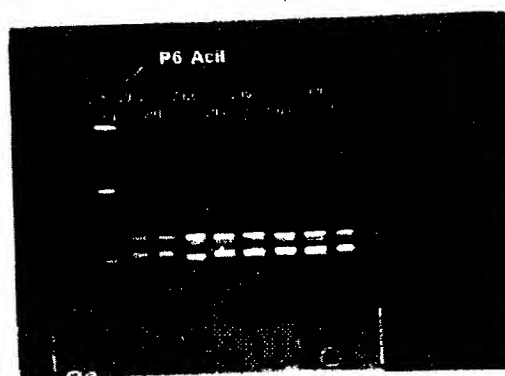
Fig.1

Photographs of the electrophoresis gels obtained in the RFLP analysis of BASB019

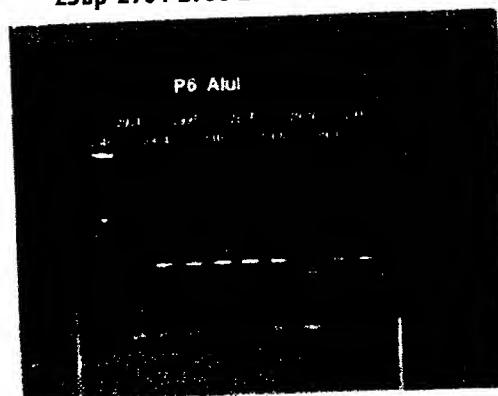
P6 AclI
2931 2905 2907 2909 2911
25bp 2904 2906 2908 2910



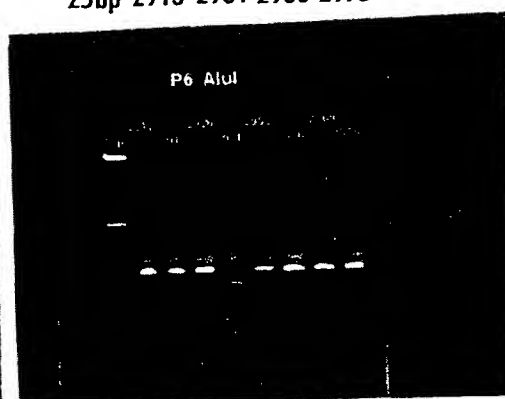
P6 AclI
2912 2926 2956 2969
25bp 2913 2931 2960 2975



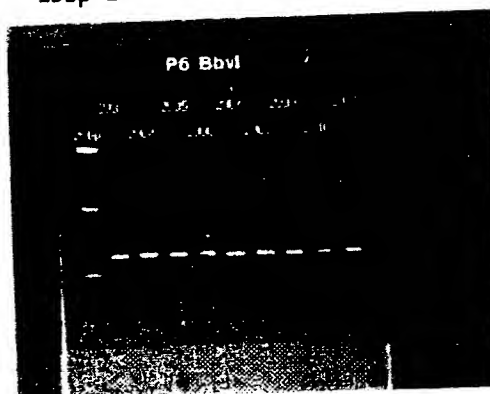
P6 AluI
2931 2905 2907 2909 2911
25bp 2904 2906 2908 2910



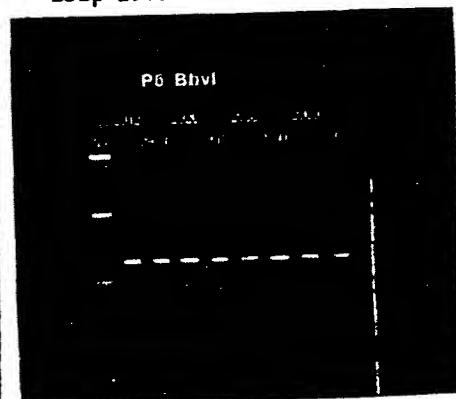
P6 AluI
2912 2926 2956 2969
25bp 2913 2931 2960 2975



P6 BbvI
2931 2905 2907 2909 2911
25bp 2904 2906 2908 2910

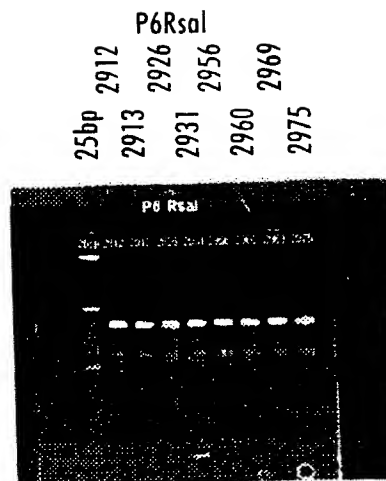
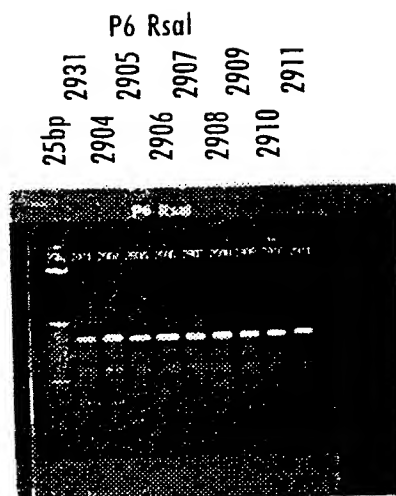
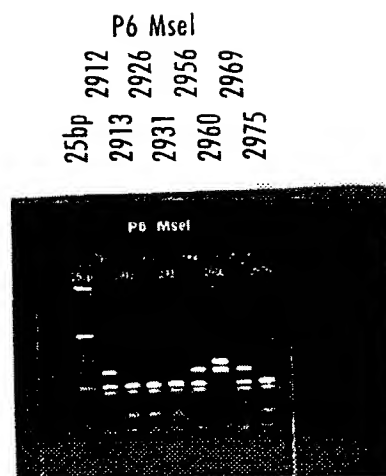
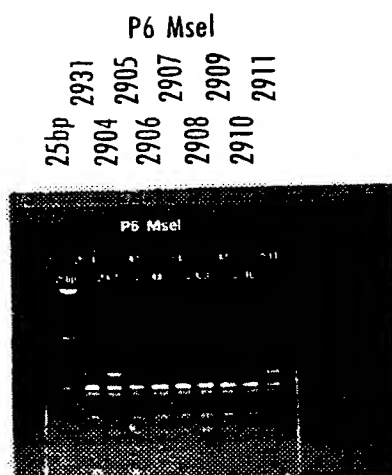
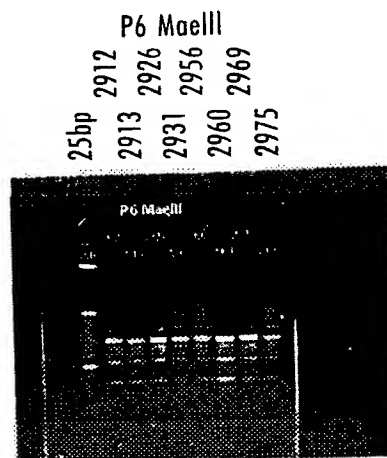
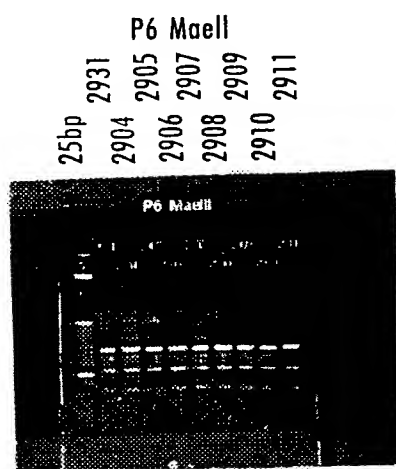


P6 BbvI
2912 2926 2956 2969
25bp 2913 2931 2960 2975



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Fig.1 (cont)



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Figure 2 : Alignment of the BASB019 polynucleotide sequences.
Identity to SeqID No:1 is indicated by a dot.

Seqid1 : ATGATGTTACATATTCAAATTGCCGCCGCTGCCGCCGCTTTATCGGTACT
: 50
Seqid3 :
: 50
Seqid5 :
: 50
Seqid7 :T.....
: 50

Seqid1 : AACTTTTATGACAGGCTGTGCCAATAAATCAACAAGTCAAGTTATGGTTG
: 100
Seqid3 :
: 100
Seqid5 :
: 100
Seqid7 :
: 100

Seqid1 : CTCCTAATGCACCCACAGGTTACACTGGGGTTATCTATACTGGTGTGCA
: 150
Seqid3 :
: 150
Seqid5 :
: 150
Seqid7 :G.....G....C.....C.....
: 150

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160 * 180 * 200
Seqid1 : CCTTTGGTAGATAATGATGAGACCGTTAAGGCTCTGGCAAGCAAGCTACC
: 200
Seqid3 :A.....C.....
: 200
Seqid5 :TA.C...A..T.....C.....
: 200
Seqid7 :C.....T.....C.....
: 200

* 220 * 240 *
Seqid1 : CAGTTTGGTTTATTTTGACTTTGATTCTGATGAGATTAAACCGCAAGCTG
: 250
Seqid3 :
: 250
Seqid5 :
: 250
Seqid7 :
: 250

260 * 280 * 300
Seqid1 : CTGCCATCTTAGACGAACAAGCACAAATTTTAAACCACCAATCAAACAGCT
: 300
Seqid3 :
: 300
Seqid5 :
: 300
Seqid7 :
: 300

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* 320 * 340 *

Seqid1 : CGTGTTTTGGTTGCAGGTCATACCGATGAGCGTGGTAGTCGTGAGTATAA
: 350

Seqid3 :
: 350

Seqid5 :
: 350

Seqid7 :
: 350

360 * 380 * 400

Seqid1 : TATGTCACTGGGGGAACGCCGTGCGGTGGCGGTACGCAACTATTTGCTTG
: 400

Seqid3 :T.....
: 400

Seqid5 :
: 400

Seqid7 :A
: 400

* 420 * 440 *

Seqid1 : GTAAAGGCATTAATCAAGCCAGCGTTGAGATTATCAGTTTTGGTGAAGAA
: 450

Seqid3 :
: 450

Seqid5 :
: 450

Seqid7 :C.....
: 450

T02070-0242960

```

                460                *                480                *                500
Seqid1  :  CGCCCTATCGCATTTGGCACAAATGAAGAAGCATGGTCACAAAATCGTCG
:  500
Seqid3  :  .....
:  500
Seqid5  :  .....
:  500
Seqid7  :  .....
:  500

```

```
Seqid1 : TGCTGAACTGTCTTATTAA : 519
Seqid3 : ..... : 519
Seqid5 : ..... : 519
Seqid7 : ..... : 519
```

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Figure 3 : Alignment of the BASB019 polypeptide sequences.
Identity to SeqID No:2 is indicated by a dot.

Seqid2 : MMLHIQIAAAAAALSVLTFMTGCANKSTSQVMVAPNAPTGYTGVIYTGVA
: 50
Seqid4 :
: 50
Seqid6 :
: 50
Seqid8 :A.....
: 50

Seqid2 : PLVDNDETVKALASKLPSLVYFDFDSDEIKPQAAAILDEQAQFLTTNQTA
: 100
Seqid4 :T.....
: 100
Seqid6 :I.T...T.....
: 100
Seqid8 :T.....
: 100

Seqid2 : RVLVAGHTDERGSREYNMSLGERRAVAVRNYLLGKGINQASVEIISFGEE
: 150
Seqid4 :
: 150
Seqid6 :
: 150
Seqid8 :S.....
: 150

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160

*

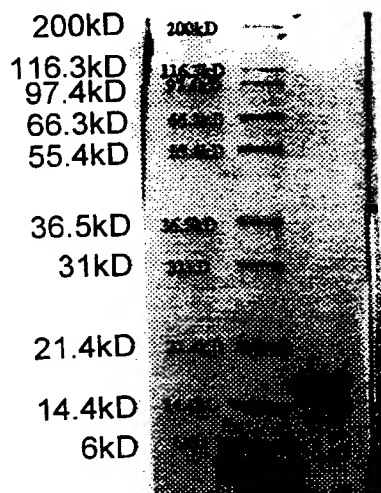
Seqid2 : RPIAFGTNEEAWSQNRRAELSY : 172
Seqid4 : : 172
Seqid6 : : 172
Seqid8 : : 172

09/674 779

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Fig.4

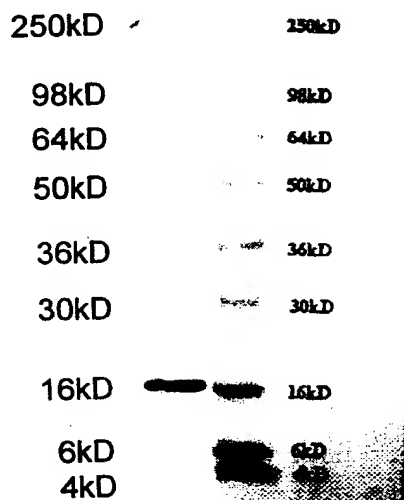
Coomasie stained SDS-PAGE of BASB019 protein



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Fig.5

Western-blot with tetra-His antibody of BASB019 protein



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Fig.6

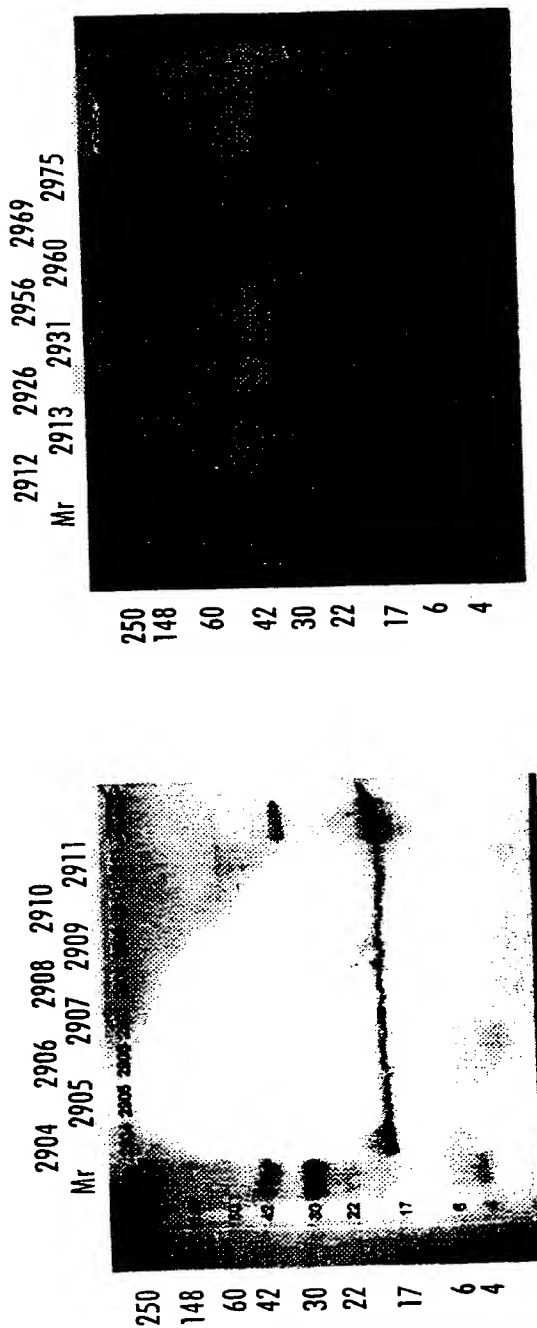
Western-blot of purified recombinant BSAB019 protein probed with the corresponding anti-recombinant protein sera at 1:200

	1	2	3	4	5	Lanes
kDa						
250						1 MW Marker
148						2 CovRb 252 pre
						3 CovRb 252 post
60						4 CovRb 254 pre
42						5 CovRb 254 post
30						
22						
17						
6						
4						

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Fig.7

Western-blot of whole cell lysates of 16 strains of *M. Catarrhalis* using pooled sera against the recombinant BASB019 protein. Sera was diluted 1:2000



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Fig.8

Western-blot of purified recombinant BSAB019 protein probed with pooled human convalescent sera at 1:100

	1	2	3	4	5	
kDa						Lanes
250						1 MW Marker
148						2 SBRb 302 pre
60						3 SBRb 302 post
12						4 SBRb 303 pre
30						5 SBRb 303 post
22						
17						
6						
4						